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File: DWPI

Feb 28, 1996

DERWENT-ACC-NO: 1996-118289

DERWENT-WEEK: 199613

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TITLE: Indicator with pointer and dial face, for vehicle tachometer etc. - has front plate over which pointer moves, and to which detachable dial is fixed by sliding into place, and held by clips

INVENTOR: KNOLL, P

PATENT-ASSIGNEE:

ASSIGNEE

CODE

MOTO METER GMBH

MOTON

PRIORITY-DATA:

1994DE-4430169

August 25, 1994

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
EP 698782 A1	February 28, 1996	G	008	G01D013/10
JP 08178710 A	July 12, 1996	N/A	005	G01D013/02
DE 4430169 A1	February 29, 1996	N/A	008	G01D013/00

DESIGNATED-STATES: DE ES FR GB IT

CITED-DOCUMENTS: 2.Jnl.Ref; DE 2744582 ; DE 2747879 ; EP 29635 ; US 2528640

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-NO
EP 698782A1	July 29, 1995	1995EP-0111946	N/A
JP08178710A	August 25, 1995	1995JP-0217617	N/A
DE <u>4430169A1</u>	August 25, 1994	1994DE-4430169	N/A

INT-CL (IPC): B60K 35/00; G01D 13/00; G01D 13/02; G01D 13/10; G01P 1/08; G12B 11/02

ABSTRACTED-PUB-NO: EP 698782A

BASIC-ABSTRACT:

An instrument with a detachable dial (1) and indicator needle (7) may be set in a front panel (2), so that the needle (7) runs over the panel face, in three different ways. The panel (2) may feature a recess (12) within which the instrument dial is set and held by stops (11). Alternatively it may have at least one guide rail (13), roughly parallel to the front, such that the dial (1) is positioned in the slot between the rail (13) and the panel (2). Or a retaining panel (3) may be fixed to the under side of the front panel (2) and the dial (1) slotted between the two, such that it shows through an aperture (4).

Depending on the method of inserting the dial, either the front panel (2) or

the retaining panel (3) has a scale (14) over which the dial (1) should be set. The indicator needle (7) is fixed to a rotary spindle (8) set through the panels (5,15) and driven by the instrument (9).

ADVANTAGE - Allows simple exchange of dial plate having desired scale.

CHOSEN-DRAWING: Dwg.2a/3

TITLE-TERMS: INDICATE POINT DIAL FACE VEHICLE TACHOMETER FRONT PLATE POINT MOVE
DETACH DIAL FIX SLIDE PLACE HELD CLIP

DERWENT-CLASS: S02 X22

EPI-CODES: S02-B12A; S02-G01; S02-K06A; X22-E05;

SECONDARY-ACC-NO:

Non-CPI Secondary Accession Numbers: N1996-098907

	L #	Hits	Search Text
1	L1	96	("362/489").CCLS.
2	L2	5	(liquid adj crystal) and 1
3	L8	653	((("362/23") or ("362/28") or ("362/559") or ("362/561") or ("362/487"))).CCLS.
4	L9	73	(8 AND (LIQUID ADJ CRYSTAL))
5	L10	607	((("349/58") or ("349/60"))).CCLS.
6	L11	44	10 and (dial or scale)
7	L12	3	5915822